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R. Banerjea 9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Patent Application**

Applicant(s): Raja Banerjea  
Case: 9  
Serial No.: 10/625,028  
Filing Date: July 22, 2003  
Group: 2637  
Examiner: Guillermo Munoz

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature:  Date: June 28, 2005

Title: Carrier Frequency Offset Estimation in a  
Wireless Communication System

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. D-S. Han et al., "Fast Carrier Frequency Offset Compensation in OFDM Systems," IEEE Transactions on Consumer Electronics, Vol. 47, No. 3, pp. 364-369, August 2001.
2. F. Yanzeng et al., "Frequency Synchronization in OFDM Systems," 3G Mobile Communication Technologies, Conference Publication No. 477, pp. 92-98, March 2001.
3. Y.H. Kim et al., "An Efficient Frequency Offset Estimator for OFDM Systems and Its Performance Characteristics," IEEE Transactions on Vehicular Technology, Vol. 50, No. 5, September 2001.

Please charge the amount of \$180 in accordance with 37 C.F.R. §1.17(p) to **Ryan, Mason & Lewis, LLP Deposit Account No. 50-0762**. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,



Date: June 28, 2005

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FORM PTO-1449 (MODIFIED)

LIST OF PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT



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U.S. PATENT DOCUMENTS

EXAMINER					FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER					TRANSLATION
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES NO

OTHER DOCUMENTS

EXAMINER			
INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.	

1. D-S. Han et al., "Fast Carrier Frequency Offset Compensation in OFDM Systems," IEEE Transactions on Consumer Electronics, Vol. 47, No. 3, pp. 364-369, August 2001.
2. F. Yanzeng et al., "Frequency Synchronization in OFDM Systems," 3G Mobile Communication Technologies, Conference Publication No. 477, pp. 92-98, March 2001.
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Examiner

Date Considered

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.